

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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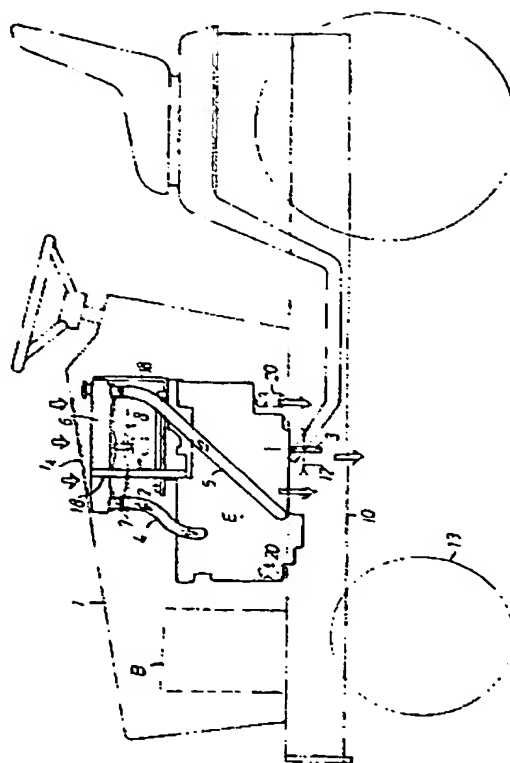
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APPLICATION NUMBER : 57144038

APPLICANT : YANMAR DIESEL ENGINE CO LTD;

INVENTOR : YAMAMOTO NOBORU;

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TITLE : AGRICULTURAL TRACTOR



ABSTRACT : PURPOSE: To prevent an interference between a radiator and a fan due to a shake of an engine by integrally arranging the radiator to the upper section of the engine.

CONSTITUTION: The engine is brought to a shape in which it is laid down laterally in order to lower the centroid of the engine E, a crankshaft 3 is brought to a horizontal state, and the piston of the engine E is slid in the front and rear direction. The radiator 6 slightly lighter than the engine is arranged to a section upper than the engine because the engine is made lowered. That is, a radiator bracket 18 is projected to an upper section from the engine E, and a radiator shroud 7 is also fixed to the radiator bracket 18. Accordingly, the radiator and the radiator fan do not interfere mutually even when the engine is shaken by a sudden braking and a starting.

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